

PART I: CLEAN VERSION

A¹ 1. In a building, a roof structure comprising
an essentially non-load supporting, vertically extending central
column having a lower end spaced above a supporting
structure of said roof structure; and
a plurality of at least three elongated and vertically inclined,
multi-element trusses fixedly joined on innermost ends
thereof to said central column and being rotationally
displaced from one another in a horizontal plane, each of
said trusses extending radially outwardly and downwardly
from said central column to an outer end portion thereof
for mounting on a weight bearing supporting structure at a
level spaced above the supporting surface of said building
and below the lower end of said column, said plurality of
trusses thereby defining a roof structure in the form of a
cone shaped polygon.

A² 21. The building of Claim 3 wherein said upper beam is inclined at a first
vertical angle relative to horizontal.